Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/05/2016 11:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/21/2015 09:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123700	-2	2.70	123623	2.63
Blue	F	SSC	125000	122168	-3	4.88	123324	4.90
Blue	E	FITC	17224	16743	-3	3.56	946	9.06
Blue	D	PE	22462	21895	-3	3.19	987	8.30
Blue	B	PerCP-Cy5-5	63940	62073	-3	3.72	1635	12.94
Blue	A	PE-Cy7	72480	70762	-3	4.57	929	24.40
Red	C	APC	63778	62993	-2	2.58	3553	8.07
Red	A	APC-Cy7	97254	96655	-1	2.67	1906	7.78
Violet	B	V450	10730	10479	-3	3.72	654	8.38
Violet	A	V500	42147	40277	-5	3.36	2279	6.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19188	3.84	584	-36	N/A	N/A	Pass
Blue	F	SSC	60852	3.83	510	-17	N/A	N/A	Pass
Blue	E	FITC	102	35.21	514	-25	0.0268	169	Pass
Blue	D	PE	203	24.40	509	-23	0.1812	145	Pass
Blue	B	PerCP-Cy5-5	198	39.47	597	-17	0.0121	43	Pass
Blue	A	PE-Cy7	70	97.04	649	-24	0.0157	14	Pass
Red	C	APC	332	25.54	579	-5	0.0214	0	Pass
Red	A	APC-Cy7	121	37.07	561	-4	0.0051	783	Pass
Violet	B	V450	69	42.10	448	-26	0.0422	1651	Pass
Violet	A	V500	149	24.71	475	-28	0.0129	612	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.87	-31.63	0.86
Blue	20.34	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.29
Red	17.03	13.28 - 19.92	N/A	N/A	32.16	32.36	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9862

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments